



# CALIFORNIA

## Agricultural Bulletin

**EDD** Employment  
Development  
Department  
State of California

June 2001

(Internet Version)

### In This Issue

Agricultural Overview

1

Summary

2

Agricultural Summary Charts

3

California Employment

4

Central Coast Employment

5

Desert Employment

6

North Coast Employment

7

South Coast Employment

8

San Joaquin Valley Employment

9

Sacramento Valley Employment

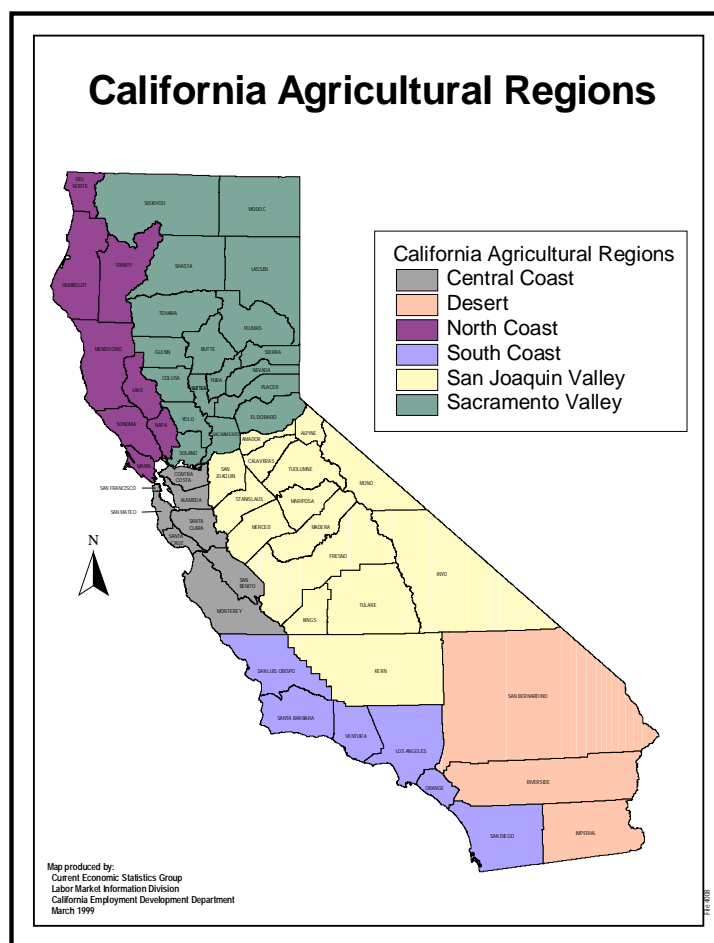
10

Data Notes

11

### Agricultural Overview

This bulletin covers 27 agricultural industries in the State of California. The number of industries ranges from five to seventeen within each of the six geographic regions. The regions are the San Joaquin Valley, South Coast, Desert, Central Coast, Sacramento Valley, and North Coast (refer to map for details).



The data are organized into the following tables by state and region:

- Wage and Salary Workers
- Average Hourly Earnings

**LMID**  
Labor Market Information Division  
"Your Information Source"

## Summary

### Employment

California agricultural employment for June 2001 increased 16,400 jobs over the previous month for a gain of four percent. Total Agricultural Production decreased 5,800 from May 2001 to June 2001, a decline of two percent. Agricultural Services increased by 22,200 jobs, a gain of 11 percent. An increase in total agricultural employment is normal for the month of June. The change in California agricultural employment from May 2000 to June 2000 was an increase of 18,800 jobs.

The largest increase among Production Crops was registered in General Farm Crops with a gain of 7,000. Deciduous Tree Fruit crops increased by 3,500. Farm Labor Contractor Services registered the largest gain overall with an increase of 14,700 jobs. The largest decrease for the month was registered in Vegetable and Melon Crops with a loss of 6,200. Total agricultural employment increased 11 percent in the North Coast Region, 10 percent in the San Joaquin Valley Region, and nine percent in the Sacramento Valley Region. Agricultural employment decreased six percent in the Central Coast Region, six percent in the South Coast Region, and two percent in the Desert Region.

### Production and Crop Activity

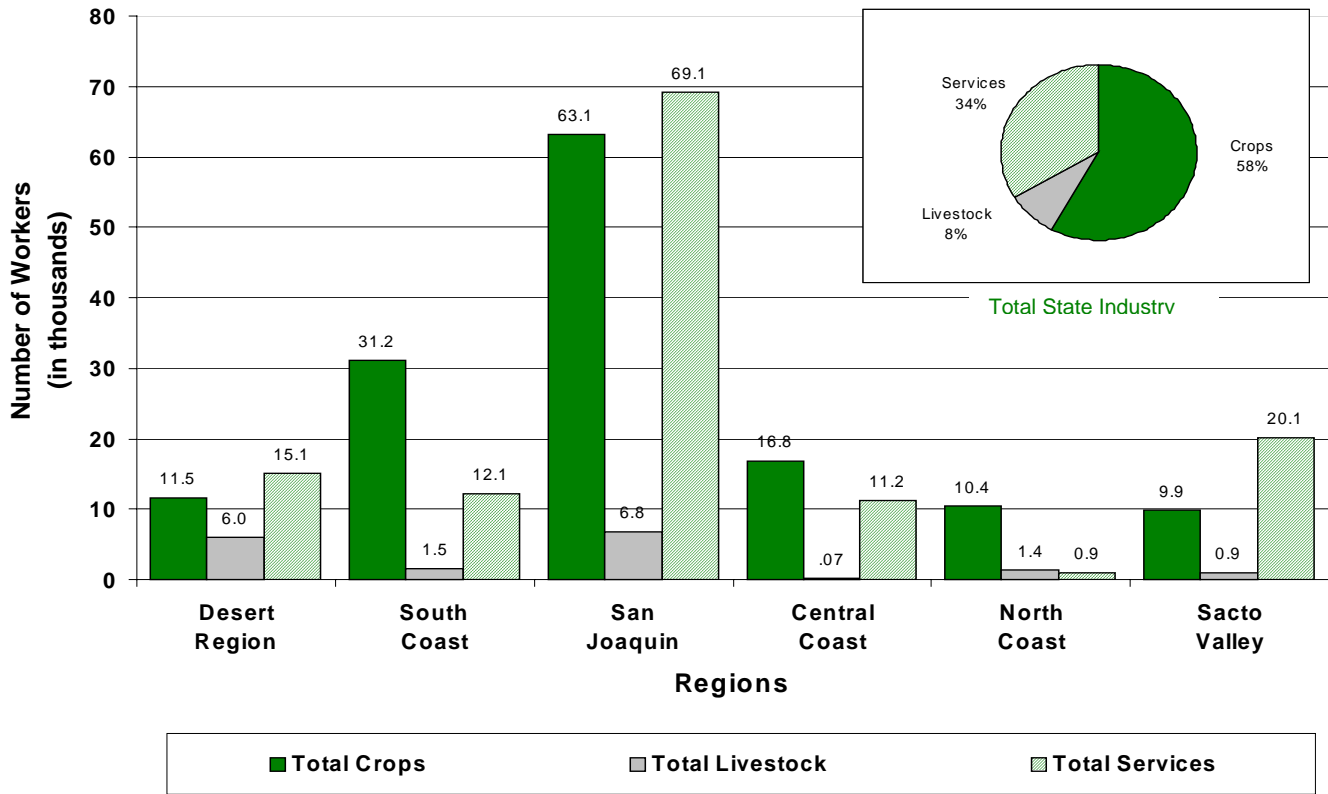
Growers were irrigating, fertilizing, cultivating, and applying herbicides for weed control in many fields. Some cotton fields were treated for mites and lygus. Wheat and oat hay was harvested and baled. Harvesting of barley and wheat for grain continued. Most winter forage fields had been harvested and were being planted with corn. Alfalfa seed fields were cultivated, irrigated, and treated with herbicides. Alfalfa hay fields were being cut, windrowed, and baled. Oat straw was baled and stacked in some fields. Corn growers were irrigating and treating fields to control weeds and insects. Silage corn was still being planted, following the harvest of forage blends. Some sugar beet fields were irrigated and cultivated while others were being harvested. Rice planting was completed in most areas and fields were treated to control weeds and weevils. Sunflower fields were treated for beetles. The dry bean harvest was ongoing and the garbanzo bean harvest was beginning. Processing tomato fields were weeded, irrigated, fertilized, and treated for insects. The planting of melons for late harvest continued in the San Joaquin Valley. Artichokes were planted in Monterey County. The harvest of onions and sweet corn was in full swing and the small crop eggplant harvest began. Other vegetables harvested during the month included basil, beets, bell peppers, cabbage, carrots, cauliflower, celery, cilantro, cucumbers, daikon, eggplant, green beans, green onions, jalapeno peppers, lettuce, mint, mustard greens, okra, onions, parsley, sugar peas, spinach, squash, and watermelons.

Fruit growers continued cultural activities that included weed control, fungicide applications, and irrigation of trees and vines. Grape growers treated fungal diseases. Table grape harvesting continued in the Coachella Valley and peach harvesting was active. Plums and apricots were also actively being harvested. Insecticides and fungicides were applied to apple trees. Grapefruit picking slowed in the desert area but was active in Riverside County. The picking of cherries was declining. The harvesting of Valencia oranges and picking of strawberries continued. Lemon harvesting was active in the South Coast Region. Walnut orchards were treated for weeds, blight, and codling moth. Almond growers supported limbs to bear the weight of heavy fruit set.

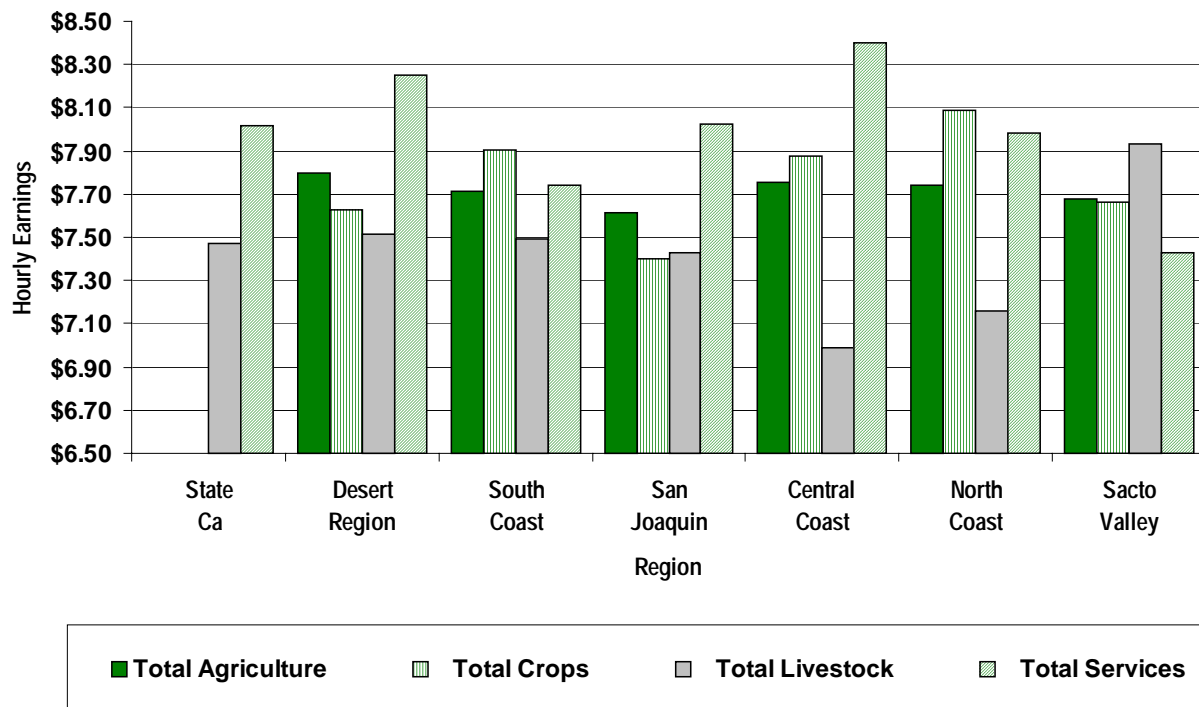
Remaining cattle on foothill pastures were moved to market or to summer pastures. Dairy operators placed fans and misters to cool cows. Moderate bee activity continued in a few vegetable fields. Some hives were moved into alfalfa and melon fields as the bloom was underway.

# Agricultural Summary Charts

## Wage and Salary Workers



## Average Hourly Earnings



# CALIFORNIA AGRICULTURAL EMPLOYMENT

Wage and Salary Workers  
(In Thousands)

Average Hourly Earnings  
(In dollars per hour)

Industry	Jun 2001	May 2001	Jun 2000
<b>Total Agriculture</b>	<b>466.3</b>	<b>449.9</b>	<b>478.0</b>
<b>Total Agricultural Production/Crops</b>	<b>223.0</b>	<b>222.3</b>	<b>235.1</b>
Cash Grains	4.0	4.1	2.8
Rice	2.4	1.8	1.6
Other Cash Grains	1.6	2.3	1.2
Field Crops Except Grains	21.8	20.7	13.8
Cotton	7.7	7.5	7.2
Other Field Crops	14.1	13.2	6.6
Vegetables and Melons	39.8	46.0	38.8
Total Fruits and Tree Nuts	99.6	96.6	108.3
Berries	24.6	25.5	27.1
Grapes	37.2	34.6	43.5
Tree Nuts	5.6	5.8	7.8
Citrus Fruits	2.4	3.7	4.4
Deciduous Tree Fruit	13.5	10.0	17.0
Other Fruits & Nuts	16.3	17.0	8.5
Total Horticultural Specialties	30.8	34.9	39.1
Ornamental Floral & Nursery	30.3	34.4	35.4
Food Crops Grown Under Cover	0.5	0.5	3.7
General Farm Primarily Crop	27.0	20.0	32.3
<b>Agricultural Production/Livestock</b>	<b>21.3</b>	<b>27.8</b>	<b>29.6</b>
Beef Cattle Feed Lots	1.2	0.9	0.9
Beef Cattle Except Feed Lots	2.2	2.2	3.6
Dairy Farms	7.9	12.7	16.6
Chicken Eggs	4.8	4.4	2.5
Turkey & Turkey Eggs	0.4	0.7	0.9
Other Livestock	4.8	6.9	5.1
<b>Total Agricultural Services</b>	<b>222.0</b>	<b>199.8</b>	<b>213.3</b>
Soil Preparation Services	1.6	0.6	1.6
Crop Services	55.9	52.9	54.8
Plant Cultivate & Protection	8.7	8.5	7.8
Harvest Primarily by Machine	4.8	9.4	6.4
Preparation Services for Market	41.9	34.4	39.5
Cotton Ginning	0.5	0.6	1.1
Total Farm Labor & Management	164.5	146.3	156.9
Farm Labor Contractors	151.3	136.6	145.4
Farm Management Services	13.2	9.7	11.5

Industry	Jun 2001	May 2001	Jun 2000
<b>Total Agriculture</b>	<b>8.23</b>	<b>8.19</b>	<b>8.06</b>
<b>Total Agricultural Production/Crops</b>	<b>8.17</b>	<b>8.14</b>	<b>7.94</b>
Cash Grains	8.37	8.29	8.15
Rice	8.54	8.23	8.06
Other Cash Grains	8.19	8.35	8.24
Field Crops Except Grains	7.91	8.03	7.88
Cotton	7.70	7.89	7.65
Other Field Crops	8.13	8.17	8.10
Vegetables and Melons	8.13	8.17	7.82
Total Fruits and Tree Nuts	8.04	7.92	7.83
Berries	7.75	7.60	8.07
Grapes	8.05	8.02	7.66
Tree Nuts	8.05	7.68	7.95
Citrus Fruits	7.94	7.94	7.52
Deciduous Tree Fruit	8.11	7.96	7.74
Other Fruits & Nuts	8.36	8.35	8.05
Total Horticultural Specialties	8.36	8.27	8.14
Ornamental Floral & Nursery	8.29	8.20	8.03
Food Crops Grown Under Cover	8.43	8.34	8.25
General Farm Primarily Crop	8.22	8.18	7.85
<b>Agricultural Production/Livestock</b>	<b>8.07</b>	<b>8.00</b>	<b>7.88</b>
Beef Cattle Feed Lots	8.11	8.00	8.25
Beef Cattle Except Feed Lots	8.35	8.20	8.13
Dairy Farms	8.56	8.64	8.31
Chicken Eggs	7.33	7.25	6.94
Turkey & Turkey Eggs	7.71	7.67	7.75
Other Livestock	8.37	8.27	7.89
<b>Total Agricultural Services</b>	<b>8.45</b>	<b>8.42</b>	<b>8.37</b>
Soil Preparation Services	8.33	8.30	8.61
Crop Services	8.75	8.70	8.60
Plant Cultivate & Protection	8.57	8.56	8.31
Harvest Primarily by Machine	8.84	8.91	8.43
Preparation Services for Market	8.13	8.07	8.15
Cotton Ginning	9.44	9.25	9.51
Total Farm Labor & Management	8.27	8.27	7.91
Farm Labor Contractors	8.12	8.11	7.78
Farm Management Services	8.43	8.44	8.04

# CENTRAL COAST AGRICULTURAL EMPLOYMENT

## Wage and Salary Workers (In Thousands)

Industry	Jun 2001	May 2001	Jun 2000
<b>Total Agriculture</b>	<b>68.9</b>	<b>73.0</b>	<b>70.3</b>
<b>Total Agricultural Production/Crops</b>	<b>44.1</b>	<b>43.6</b>	<b>43.8</b>
Cash Grains	0.0	0.0	0.0
Rice	0.0	0.0	0.0
Other Cash Grains	0.0	0.0	0.0
Field Crops Except Grains	6.7	5.5	0.2
Cotton	0.0	0.0	0.0
Other Field Crops	6.7	5.5	0.2
Vegetables and Melons	11.6	12.7	15.9
Total Fruits and Tree Nuts	16.6	14.1	14.7
Berries	13.3	11.0	12.5
Grapes	0.5	0.4	1.1
Tree Nuts	0.0	0.0	0.2
Citrus Fruits	0.0	0.0	0.0
Deciduous Tree Fruit	0.1	0.0	0.6
Other Fruits & Nuts	2.7	2.7	0.3
Total Horticultural Specialties	5.7	8.5	10.0
Ornamental Floral & Nursery	5.2	8.0	7.9
Food Crops Grown Under Cover	0.5	0.5	2.1
General Farm Primarily Crop	3.5	2.8	3.0
<b>Agricultural Production/Livestock</b>	<b>0.0</b>	<b>0.3</b>	<b>1.0</b>
Beef Cattle Feed Lots	0.0	0.0	0.0
Beef Cattle Except Feed Lots	0.0	0.0	0.3
Dairy Farms	0.0	0.0	0.1
Chicken Eggs	0.0	0.0	0.1
Turkey & Turkey Eggs	0.0	0.0	0.1
Other Livestock	0.0	0.3	0.4
<b>Total Agricultural Services</b>	<b>24.8</b>	<b>29.1</b>	<b>25.5</b>
Soil Preparation Services	0.0	0.0	0.3
Crop Services	6.1	10.5	11.0
Plant Cultivate & Protection	2.2	0.1	1.0
Harvest Primarily by Machine	1.9	2.6	2.0
Preparation Services for Market	2.0	7.8	8.0
Cotton Ginning	0.0	0.0	0.0
Total Farm Labor & Management	18.7	18.6	14.2
Farm Labor Contractors	18.6	17.7	12.7
Farm Management Services	0.1	0.9	1.5

na = not available

## Average Hourly Earnings (In dollars per hour)

Industry	Jun 2001	May 2001	Jun 2000
<b>Total Agriculture</b>	<b>8.48</b>	<b>8.27</b>	<b>8.10</b>
<b>Total Agricultural Production/Crops</b>	<b>8.42</b>	<b>8.28</b>	<b>8.20</b>
Cash Grains	na	na	na
Rice	na	na	na
Other Cash Grains	na	na	na
Field Crops Except Grains	8.44	8.20	8.02
Cotton	na	na	na
Other Field Crops	8.44	8.20	8.02
Vegetables and Melons	8.53	8.35	8.03
Total Fruits and Tree Nuts	8.25	8.20	8.32
Berries	7.90	7.95	8.57
Grapes	8.19	7.98	7.75
Tree Nuts	na	na	8.43
Citrus Fruits	na	na	na
Deciduous Tree Fruit	8.15	na	8.45
Other Fruits & Nuts	8.74	8.67	8.41
Total Horticultural Specialties	8.47	8.40	8.55
Ornamental Floral & Nursery	8.51	8.45	8.59
Food Crops Grown Under Cover	8.43	8.34	8.50
General Farm Primarily Crop	8.43	8.27	8.08
<b>Agricultural Production/Livestock</b>	<b>na</b>	<b>7.93</b>	<b>7.84</b>
Beef Cattle Feed Lots	na	na	na
Beef Cattle Except Feed Lots	na	na	8.26
Dairy Farms	na	na	8.38
Chicken Eggs	na	na	6.85
Turkey & Turkey Eggs	na	na	7.75
Other Livestock	na	7.93	7.95
<b>Total Agricultural Services</b>	<b>8.54</b>	<b>8.59</b>	<b>8.25</b>
Soil Preparation Services	na	na	8.15
Crop Services	8.70	8.60	8.53
Plant Cultivate & Protection	8.60	8.22	7.84
Harvest Primarily by Machine	9.11	9.17	9.17
Preparation Services for Market	8.38	8.41	8.59
Cotton Ginning	na	na	na
Total Farm Labor & Management	8.38	8.58	8.07
Farm Labor Contractors	8.04	8.57	7.83
Farm Management Services	8.72	8.59	8.31

# DESERT AGRICULTURAL EMPLOYMENT

## Wage and Salary Workers (In Thousands)

Industry	Jun 2001	May 2001	Jun 2000
<b>Total Agriculture</b>	<b>43.4</b>	<b>44.2</b>	<b>43.6</b>
<b>Total Agricultural Production/Crops</b>	<b>15.1</b>	<b>14.9</b>	<b>16.3</b>
Cash Grains	0.0	0.0	0.1
Rice	0.0	0.0	0.0
Other Cash Grains	0.0	0.0	0.1
Field Crops Except Grains	0.3	0.4	1.6
Cotton	0.0	0.0	0.1
Other Field Crops	0.3	0.4	1.5
Vegetables and Melons	2.8	4.8	2.8
Total Fruits and Tree Nuts	8.5	6.4	7.8
Berries	0.2	0.2	0.2
Grapes	6.9	5.0	5.4
Tree Nuts	0.0	0.3	0.2
Citrus Fruits	0.2	0.2	0.6
Deciduous Tree Fruit	0.0	0.0	0.1
Other Fruits & Nuts	1.2	0.7	1.3
Total Horticultural Specialties	0.7	1.6	1.6
Ornamental Floral & Nursery	0.7	1.6	1.5
Food Crops Grown Under Cover	0.0	0.0	0.1
General Farm Primarily Crop	2.8	1.7	2.4
<b>Agricultural Production/Livestock</b>	<b>5.4</b>	<b>5.9</b>	<b>5.6</b>
Beef Cattle Feed Lots	0.7	0.7	0.3
Beef Cattle Except Feed Lots	0.3	0.3	0.6
Dairy Farms	0.7	1.6	2.9
Chicken Eggs	2.8	2.0	1.2
Turkey & Turkey Eggs	0.0	0.0	0.0
Other Livestock	0.9	1.3	0.6
<b>Total Agricultural Services</b>	<b>22.9</b>	<b>23.4</b>	<b>21.7</b>
Soil Preparation Services	0.1	0.1	0.2
Crop Services	5.0	6.0	5.1
Plant Cultivate & Protection	0.3	0.2	0.4
Harvest Primarily by Machine	0.4	1.7	0.9
Preparation Services for Market	4.2	4.0	3.2
Cotton Ginning	0.1	0.1	0.6
Total Farm Labor & Management	17.8	17.3	16.4
Farm Labor Contractors	16.7	16.2	14.2
Farm Management Services	1.1	1.1	2.2

na = not available

## Average Hourly Earnings (In dollars per hour)

Industry	Jun 2001	May 2001	Jun 2000
<b>Total Agriculture</b>	<b>8.12</b>	<b>8.08</b>	<b>7.98</b>
<b>Total Agricultural Production/Crops</b>	<b>7.98</b>	<b>7.89</b>	<b>7.91</b>
Cash Grains	na	na	8.65
Rice	na	na	na
Other Cash Grains	na	na	8.65
Field Crops Except Grains	8.09	7.84	7.88
Cotton	na	na	8.02
Other Field Crops	8.09	7.84	7.73
Vegetables and Melons	7.81	7.90	7.60
Total Fruits and Tree Nuts	7.87	7.82	7.66
Berries	7.55	7.64	7.97
Grapes	7.64	7.66	7.53
Tree Nuts	na	7.13	7.05
Citrus Fruits	7.84	8.04	7.23
Deciduous Tree Fruit	na	na	7.74
Other Fruits & Nuts	8.43	8.61	8.41
Total Horticultural Specialties	7.99	7.82	8.13
Ornamental Floral & Nursery	7.99	7.82	7.69
Food Crops Grown Under Cover	na	na	8.56
General Farm Primarily Crop	8.15	8.08	7.54
<b>Agricultural Production/Livestock</b>	<b>7.95</b>	<b>7.94</b>	<b>7.68</b>
Beef Cattle Feed Lots	8.05	8.05	7.59
Beef Cattle Except Feed Lots	7.93	7.95	7.51
Dairy Farms	8.52	8.61	8.35
Chicken Eggs	7.13	7.09	7.14
Turkey & Turkey Eggs	na	na	na
Other Livestock	8.11	8.02	7.81
<b>Total Agricultural Services</b>	<b>8.42</b>	<b>8.40</b>	<b>8.35</b>
Soil Preparation Services	7.97	8.15	8.88
Crop Services	8.80	8.75	8.37
Plant Cultivate & Protection	8.41	8.37	8.00
Harvest Primarily by Machine	9.26	9.37	8.40
Preparation Services for Market	7.92	7.92	7.78
Cotton Ginning	9.60	9.32	9.30
Total Farm Labor & Management	8.51	8.30	7.80
Farm Labor Contractors	8.69	8.35	7.88
Farm Management Services	8.32	8.25	7.71

# NORTH COAST AGRICULTURAL EMPLOYMENT

## Wage and Salary Workers (In Thousands)

Industry	Jun 2001	May 2001	Jun 2000
<b>Total Agriculture</b>	<b>17.5</b>	<b>15.7</b>	<b>18.1</b>
<b>Total Agricultural Production/Crops</b>	<b>9.5</b>	<b>12.5</b>	<b>13.1</b>
Cash Grains	0.0	0.0	0.0
Rice	0.0	0.0	0.0
Other Cash Grains	0.0	0.0	0.0
Field Crops Except Grains	1.0	0.0	0.1
Cotton	0.0	0.0	0.0
Other Field Crops	1.0	0.0	0.1
Vegetables and Melons	0.4	4.9	0.3
Total Fruits and Tree Nuts	6.0	5.6	10.5
Berries	0.0	0.0	0.0
Grapes	4.9	4.6	9.6
Tree Nuts	0.2	0.1	0.1
Citrus Fruits	0.0	0.0	0.0
Deciduous Tree Fruit	0.5	0.4	0.7
Other Fruits & Nuts	0.4	0.5	0.1
Total Horticultural Specialties	1.6	1.5	1.8
Ornamental Floral & Nursery	1.6	1.5	1.6
Food Crops Grown Under Cover	0.0	0.0	0.2
General Farm Primarily Crop	0.5	0.5	0.4
<b>Agricultural Production/Livestock</b>	<b>1.5</b>	<b>1.4</b>	<b>1.7</b>
Beef Cattle Feed Lots	0.0	0.0	0.1
Beef Cattle Except Feed Lots	0.0	0.1	0.2
Dairy Farms	0.8	0.6	0.9
Chicken Eggs	0.0	0.0	0.1
Turkey & Turkey Eggs	0.0	0.0	0.1
Other Livestock	0.7	0.7	0.3
<b>Total Agricultural Services</b>	<b>6.5</b>	<b>1.8</b>	<b>3.3</b>
Soil Preparation Services	0.0	0.0	0.1
Crop Services	0.0	0.0	0.2
Plant Cultivate & Protection	0.0	0.0	0.1
Harvest Primarily by Machine	0.0	0.0	0.0
Preparation Services for Market	0.0	0.0	0.1
Cotton Ginning	0.0	0.0	0.0
Total Farm Labor & Management	6.5	1.8	3.0
Farm Labor Contractors	1.6	0.5	0.8
Farm Management Services	4.9	1.3	2.2

na = not available

## Average Hourly Earnings (In dollars per hour)

Industry	Jun 2001	May 2001	Jun 2000
<b>Total Agriculture</b>	<b>8.46</b>	<b>8.45</b>	<b>8.27</b>
<b>Total Agricultural Production/Crops</b>	<b>8.45</b>	<b>8.48</b>	<b>8.45</b>
Cash Grains	na	na	na
Rice	na	na	na
Other Cash Grains	na	na	na
Field Crops Except Grains	8.47	na	8.92
Cotton	na	na	na
Other Field Crops	8.47	na	8.92
Vegetables and Melons	8.24	8.57	8.31
Total Fruits and Tree Nuts	8.66	8.52	8.39
Berries	na	na	na
Grapes	8.74	8.70	8.49
Tree Nuts	8.69	8.14	8.55
Citrus Fruits	na	na	na
Deciduous Tree Fruit	8.57	8.54	8.60
Other Fruits & Nuts	8.65	8.70	7.93
Total Horticultural Specialties	8.52	8.62	8.49
Ornamental Floral & Nursery	8.52	8.62	8.63
Food Crops Grown Under Cover	na	na	8.35
General Farm Primarily Crop	8.35	8.22	8.12
<b>Agricultural Production/Livestock</b>	<b>8.38</b>	<b>8.31</b>	<b>7.87</b>
Beef Cattle Feed Lots	na	na	8.61
Beef Cattle Except Feed Lots	na	8.00	8.13
Dairy Farms	8.18	8.39	8.36
Chicken Eggs	na	na	6.85
Turkey & Turkey Eggs	na	na	7.75
Other Livestock	8.57	8.54	7.50
<b>Total Agricultural Services</b>	<b>8.57</b>	<b>8.55</b>	<b>8.50</b>
Soil Preparation Services	na	na	8.61
Crop Services	na	na	8.48
Plant Cultivate & Protection	na	na	8.31
Harvest Primarily by Machine	na	na	na
Preparation Services for Market	na	na	8.64
Cotton Ginning	na	na	na
Total Farm Labor & Management	8.57	8.55	8.43
Farm Labor Contractors	8.30	8.27	8.02
Farm Management Services	8.84	8.82	8.83

# SOUTH COAST AGRICULTURAL EMPLOYMENT

Wage and Salary Workers  
(In Thousands)

Industry	Jun 2001	May 2001	Jun 2000
<b>Total Agriculture</b>	<b>70.1</b>	<b>74.5</b>	<b>72.6</b>
<b>Total Agricultural Production/Crops</b>	<b>51.2</b>	<b>54.1</b>	<b>52.8</b>
Cash Grains	0.1	0.1	0.1
Rice	0.0	0.0	0.0
Other Cash Grains	0.1	0.1	0.1
Field Crops Except Grains	2.2	1.5	0.2
Cotton	0.0	0.0	0.0
Other Field Crops	2.2	1.5	0.2
Vegetables and Melons	8.7	9.7	10.3
Total Fruits and Tree Nuts	20.2	25.0	19.6
Berries	11.1	14.3	14.1
Grapes	0.8	2.0	2.1
Tree Nuts	0.1	0.1	0.1
Citrus Fruits	0.8	0.8	1.5
Deciduous Tree Fruit	0.0	0.0	0.1
Other Fruits & Nuts	7.4	7.8	1.7
Total Horticultural Specialties	15.7	15.6	18.2
Ornamental Floral & Nursery	15.7	15.6	17.3
Food Crops Grown Under Cover	0.0	0.0	0.9
General Farm Primarily Crop	4.3	2.2	4.4
<b>Agricultural Production/Livestock</b>	<b>1.9</b>	<b>2.5</b>	<b>2.1</b>
Beef Cattle Feed Lots	0.0	0.0	0.0
Beef Cattle Except Feed Lots	0.2	0.2	0.3
Dairy Farms	0.0	0.0	0.2
Chicken Eggs	0.6	0.7	0.5
Turkey & Turkey Eggs	0.0	0.0	0.0
Other Livestock	1.1	1.6	1.1
<b>Total Agricultural Services</b>	<b>17.0</b>	<b>17.9</b>	<b>17.7</b>
Soil Preparation Services	1.0	0.0	0.2
Crop Services	3.5	2.5	3.3
Plant Cultivate & Protection	0.8	0.8	0.6
Harvest Primarily by Machine	0.0	0.1	0.7
Preparation Services for Market	2.7	1.6	2.0
Cotton Ginning	0.0	0.0	0.0
Total Farm Labor & Management	12.5	15.4	14.2
Farm Labor Contractors	11.2	14.5	12.9
Farm Management Services	1.3	0.9	1.3

na = not available

Average Hourly Earnings  
(In dollars per hour)

Industry	Jun 2001	May 2001	Jun 2000
<b>Total Agriculture</b>	<b>8.23</b>	<b>8.22</b>	<b>8.07</b>
<b>Total Agricultural Production/Crops</b>	<b>8.22</b>	<b>8.17</b>	<b>8.11</b>
Cash Grains	8.71	8.54	8.31
Rice	na	na	na
Other Cash Grains	8.71	8.54	8.31
Field Crops Except Grains	8.09	8.30	8.36
Cotton	na	na	na
Other Field Crops	8.09	8.30	8.36
Vegetables and Melons	8.13	8.02	7.84
Total Fruits and Tree Nuts	8.12	7.94	7.80
Berries	7.81	7.21	7.58
Grapes	8.15	8.06	7.96
Tree Nuts	7.60	7.59	7.50
Citrus Fruits	8.44	8.20	8.14
Deciduous Tree Fruit	na	na	7.14
Other Fruits & Nuts	8.60	8.62	8.49
Total Horticultural Specialties	8.03	8.02	8.15
Ornamental Floral & Nursery	8.03	8.02	7.72
Food Crops Grown Under Cover	na	na	8.57
General Farm Primarily Crop	8.21	8.23	8.18
<b>Agricultural Production/Livestock</b>	<b>8.08</b>	<b>8.14</b>	<b>7.97</b>
Beef Cattle Feed Lots	na	na	na
Beef Cattle Except Feed Lots	8.49	8.70	8.47
Dairy Farms	na	na	8.37
Chicken Eggs	7.48	7.41	7.00
Turkey & Turkey Eggs	na	na	na
Other Livestock	8.28	8.32	8.02
<b>Total Agricultural Services</b>	<b>8.40</b>	<b>8.35</b>	<b>8.14</b>
Soil Preparation Services	8.58	na	8.73
Crop Services	8.43	8.55	8.16
Plant Cultivate & Protection	8.65	8.84	8.70
Harvest Primarily by Machine	na	8.96	8.00
Preparation Services for Market	8.21	7.85	7.79
Cotton Ginning	na	na	na
Total Farm Labor & Management	8.19	8.14	7.54
Farm Labor Contractors	8.01	7.89	7.64
Farm Management Services	8.36	8.39	7.43



# SAN JOAQUIN VALLEY EMPLOYMENT

## Wage and Salary Workers (In Thousands)

Industry	Jun 2001	May 2001	Jun 2000
<b>Total Agriculture</b>	<b>235.3</b>	<b>214.0</b>	<b>235.5</b>
<b>Total Agricultural Production/Crops</b>	<b>83.6</b>	<b>79.7</b>	<b>85.0</b>
Cash Grains	1.8	2.3	0.5
Rice	0.7	0.8	0.1
Other Cash Grains	1.1	1.5	0.4
Field Crops Except Grains	11.1	12.2	10.1
Cotton	7.7	7.5	7.1
Other Field Crops	3.4	4.7	3.0
Vegetables and Melons	12.1	10.6	6.8
Total Fruits and Tree Nuts	40.1	39.7	45.7
Berries	0.0	0.0	0.1
Grapes	22.6	22.2	23.3
Tree Nuts	3.7	2.5	4.8
Citrus Fruits	1.4	2.7	2.3
Deciduous Tree Fruit	8.6	7.8	11.3
Other Fruits & Nuts	3.8	4.5	3.9
Total Horticultural Specialties	5.9	5.6	4.5
Ornamental Floral & Nursery	5.9	5.6	4.3
Food Crops Grown Under Cover	0.0	0.0	0.2
General Farm Primarily Crop	12.6	9.3	17.4
<b>Agricultural Production/Livestock</b>	<b>10.8</b>	<b>16.1</b>	<b>16.8</b>
Beef Cattle Feed Lots	0.5	0.2	0.4
Beef Cattle Except Feed Lots	0.7	0.7	1.5
Dairy Farms	6.0	10.0	11.7
Chicken Eggs	1.4	1.7	0.6
Turkey & Turkey Eggs	0.4	0.7	0.7
Other Livestock	1.8	2.8	1.9
<b>Total Agricultural Services</b>	<b>140.9</b>	<b>118.2</b>	<b>133.7</b>
Soil Preparation Services	0.5	0.5	0.7
Crop Services	38.9	30.4	32.2
Plant Cultivate & Protection	5.0	6.4	4.8
Harvest Primarily by Machine	1.7	4.3	2.2
Preparation Services for Market	31.8	19.2	24.7
Cotton Ginning	0.4	0.5	0.5
Total Farm Labor & Management	101.5	87.3	100.8
Farm Labor Contractors	96.2	82.2	96.9
Farm Management Services	5.3	5.1	3.9

## Average Hourly Earnings (In dollars per hour)

Industry	Jun 2001	May 2001	Jun 2000
<b>Total Agriculture</b>	<b>8.16</b>	<b>8.18</b>	<b>7.96</b>
<b>Total Agricultural Production/Crops</b>	<b>7.99</b>	<b>8.12</b>	<b>7.65</b>
Cash Grains	8.11	8.16	8.00
Rice	8.27	8.04	8.30
Other Cash Grains	7.94	8.27	7.70
Field Crops Except Grains	7.74	8.14	7.46
Cotton	7.70	7.89	7.28
Other Field Crops	7.77	8.39	7.63
Vegetables and Melons	8.00	8.25	7.68
Total Fruits and Tree Nuts	7.67	7.69	7.42
Berries	na	na	8.12
Grapes	7.71	7.81	6.84
Tree Nuts	8.01	8.00	7.91
Citrus Fruits	7.53	7.58	7.18
Deciduous Tree Fruit	7.58	7.40	7.10
Other Fruits & Nuts	7.52	7.64	7.34
Total Horticultural Specialties	8.23	8.04	7.73
Ornamental Floral & Nursery	8.23	8.04	7.71
Food Crops Grown Under Cover	na	na	7.75
General Farm Primarily Crop	8.17	8.43	7.59
<b>Agricultural Production/Livestock</b>	<b>8.18</b>	<b>8.04</b>	<b>7.93</b>
Beef Cattle Feed Lots	8.17	7.94	7.59
Beef Cattle Except Feed Lots	8.37	7.96	8.57
Dairy Farms	8.84	8.77	8.45
Chicken Eggs	7.39	7.24	6.85
Turkey & Turkey Eggs	7.71	7.67	7.75
Other Livestock	8.60	8.65	8.35
<b>Total Agricultural Services</b>	<b>8.32</b>	<b>8.39</b>	<b>8.32</b>
Soil Preparation Services	8.43	8.44	8.72
Crop Services	8.63	8.61	8.56
Plant Cultivate & Protection	8.62	8.77	8.54
Harvest Primarily by Machine	8.56	8.55	8.50
Preparation Services for Market	8.04	7.95	7.50
Cotton Ginning	9.28	9.18	9.71
Total Farm Labor & Management	7.91	8.13	7.67
Farm Labor Contractors	7.72	7.88	7.41
Farm Management Services	8.09	8.37	7.92

na = not available

# SACRAMENTO VALLEY AGRICULTURAL EMPLOYMENT

## Wage and Salary Workers (In Thousands)

Industry	Jun 2001	May 2001	Jun 2000
<b>Total Agriculture</b>	<b>31.1</b>	<b>28.5</b>	<b>37.7</b>
<b>Total Agricultural Production/Crops</b>	<b>19.5</b>	<b>17.5</b>	<b>23.9</b>
Cash Grains	2.1	1.7	2.1
Rice	1.7	1.0	1.5
Other Cash Grains	0.4	0.7	0.6
Field Crops Except Grains	0.5	1.1	1.6
Cotton	0.0	0.0	0.0
Other Field Crops	0.5	1.1	1.6
Vegetables and Melons	4.2	3.3	2.7
Total Fruits and Tree Nuts	8.2	5.8	10.0
Berries	0.0	0.0	0.2
Grapes	1.5	0.4	2.0
Tree Nuts	1.6	2.8	2.4
Citrus Fruits	0.0	0.0	0.0
Deciduous Tree Fruit	4.3	1.8	4.2
Other Fruits & Nuts	0.8	0.8	1.2
Total Horticultural Specialties	1.2	2.1	2.8
Ornamental Floral & Nursery	1.2	2.1	2.8
Food Crops Grown Under Cover	0.0	0.0	0.2
General Farm Primarily Crop	3.3	3.5	4.7
<b>Agricultural Production/Livestock</b>	<b>1.7</b>	<b>1.6</b>	<b>2.4</b>
Beef Cattle Feed Lots	0.0	0.0	0.1
Beef Cattle Except Feed Lots	1.0	0.9	0.7
Dairy Farms	0.4	0.5	0.8
Chicken Eggs	0.0	0.0	0.0
Turkey & Turkey Eggs	0.0	0.0	0.0
Other Livestock	0.3	0.2	0.8
<b>Total Agricultural Services</b>	<b>9.9</b>	<b>9.4</b>	<b>11.4</b>
Soil Preparation Services	0.0	0.0	0.1
Crop Services	2.4	3.5	3.0
Plant Cultivate & Protection	0.4	1.0	0.9
Harvest Primarily by Machine	0.8	0.7	0.6
Preparation Services for Market	1.2	1.8	1.5
Cotton Ginning	0.0	0.0	0.0
Total Farm Labor & Management	7.5	5.9	8.3
Farm Labor Contractors	7.0	5.5	7.9
Farm Management Services	0.5	0.4	0.4

na = not available

## Average Hourly Earnings (In dollars per hour)

Industry	Jun 2001	May 2001	Jun 2000
<b>Total Agriculture</b>	<b>8.29</b>	<b>8.23</b>	<b>8.08</b>
<b>Total Agricultural Production/Crops</b>	<b>8.13</b>	<b>8.05</b>	<b>7.76</b>
Cash Grains	8.37	8.32	8.05
Rice	8.81	8.41	7.81
Other Cash Grains	7.92	8.23	8.28
Field Crops Except Grains	7.90	8.11	7.96
Cotton	na	na	na
Other Field Crops	7.90	8.11	7.96
Vegetables and Melons	8.04	7.93	7.43
Total Fruits and Tree Nuts	8.02	7.81	7.77
Berries	na	na	8.09
Grapes	7.87	7.89	7.41
Tree Nuts	7.89	7.55	8.24
Citrus Fruits	na	na	na
Deciduous Tree Fruit	8.14	7.93	7.39
Other Fruits & Nuts	8.19	7.85	7.72
Total Horticultural Specialties	8.46	8.26	7.80
Ornamental Floral & Nursery	8.46	8.26	7.84
Food Crops Grown Under Cover	na	na	7.75
General Farm Primarily Crop	7.98	7.87	7.57
<b>Agricultural Production/Livestock</b>	<b>8.52</b>	<b>8.45</b>	<b>8.19</b>
Beef Cattle Feed Lots	na	na	9.19
Beef Cattle Except Feed Lots	8.59	8.38	7.85
Dairy Farms	8.69	8.78	7.97
Chicken Eggs	na	na	na
Turkey & Turkey Eggs	na	na	na
Other Livestock	8.29	8.18	7.73
<b>Total Agricultural Services</b>	<b>8.23</b>	<b>8.20</b>	<b>8.29</b>
Soil Preparation Services	na	na	8.55
Crop Services	8.38	8.44	8.38
Plant Cultivate & Protection	8.58	8.59	8.46
Harvest Primarily by Machine	8.43	8.50	8.10
Preparation Services for Market	8.12	8.24	8.57
Cotton Ginning	na	na	na
Total Farm Labor & Management	8.08	7.95	7.96
Farm Labor Contractors	7.93	7.67	7.87
Farm Management Services	8.23	8.23	8.04

## DATA NOTES

### Data Sources:

These data are obtained from two sources: the Employment Development Department (EDD) Covered Employment and Wages (ES-202) data files and a monthly survey conducted by the California Agriculture Statistical Service (CASS) of the U.S. Department of Agriculture (USDA) and the Labor Market Information Division of EDD of 4,200 agricultural employers. The sample was selected to be statistically representative of the state's agricultural employers by size, geographic location, and industry categories. Sample data are gathered for the survey week that includes the 12<sup>th</sup> calendar day of the month. All data in this bulletin represent activities taking place during this mid-month period. Same month prior year employment data are benchmarked to the ES-202 data files maintained by EDD.

### Data Comments:

To aid in accurate usage and interpretation of the data, please note the following:

- Regional data may show greater variability than statewide data because of small sample size and variable reporting patterns in specific industries.
- Where data cannot be estimated because of inadequate sample reporting, the letters "**na**" have been entered into the field to indicate estimates are not available.
- Wage data include wages of supervisors and hired non-production workers (primarily administrative personnel). Piece rate data are also included where applicable.
- Fishing, forestry, and hunting industry data are not included in the Agricultural Services estimates. Unique seasonal industry patterns of employment make producing employment estimates for these industries problematic.
- Employment data do not include employers of unpaid family workers.
- Agricultural workers who are employed by farm labor contractors are reported in Agricultural Services under that industry category. Employment levels in Crop Production and Livestock Production do not reflect their activities in the associated industries which contract with the farm labor contractors.
- Total agricultural employment and hourly earnings estimates in this bulletin are derived from the monthly Current Employment Statistics for Agriculture project. Estimates in this bulletin will differ from other agricultural estimates published by EDD and the USDA because of differences in the number of industries covered and in the definition of agricultural workers.

### Subscriptions:

Annual subscriptions are available for \$30.00 per year. Ask for publication number LAU-15. To subscribe or for information, please call (916) 262-2162 or write to:

Employment Development Department  
Labor Market Information Division  
Publications Information Unit  
7000 Franklin Blvd., Building 1100  
Sacramento, CA 95823

The Agricultural Bulletin is also available on our Internet website at <http://www.calmis.ca.gov>.